

Battery Asymmetry Unit (BAU)

■ DC Power for
Business-Critical Continuity™

Battery Monitoring, BAU48/4

Features and Benefits

- Small size box – Simple installation and add on to Controller function
- Easy-to-use and easy-to-wire
- Controls up to 4 battery strings

Description

BAU 48/4 detects battery backup system failures by comparing the total and the central point voltages in battery strings. Battery cell failures, open circuit or short circuit failures causes voltage changes that activate a preset voltage difference alarm.

The unit can be connected to Emerson Network Power Controllers (SCU, SCU+, ACU, ACU+).



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Technical Specifications, BAU48/4

Inputs

Power Supply	40 to 60 VDC, <25 mA
Battery Input Voltage Measurement	4 inputs, 0 to 60 VDC

Alarm Output

Relay	NO or NC
Relay Capacity	Max Power: 60 W Max Voltage: 60 VDC Max Current: 2 A

Control and monitoring

LED	Green - Power ON Red - Fault
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Alarm Set Points

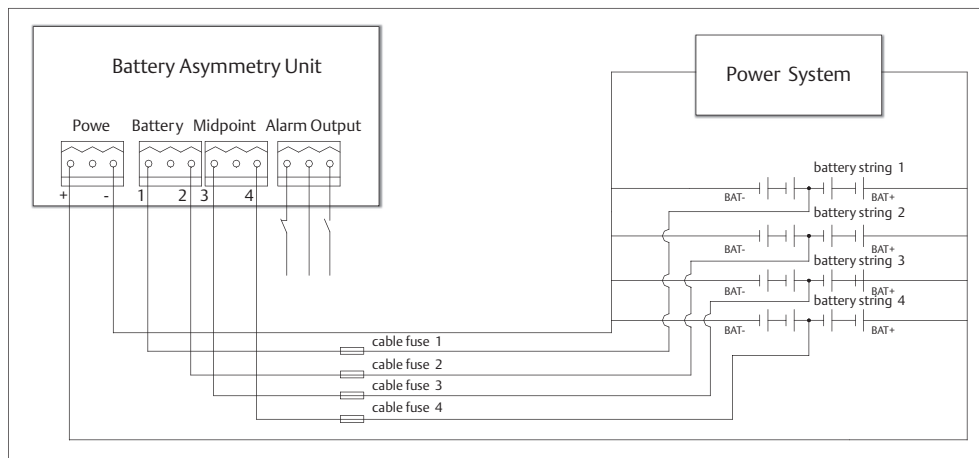
Alarm Threshold Settings	+/- 2.0 VDC +/- 1.75 VDC +/- 1.5 VDC +/- 1.0 VDC +/- 0.5 VDC
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Mechanical and Environmental Parameters

Dimensions (H × W × D)	23 × 98 × 76mm or 0.9 × 3.9 × 3.0 Inch
Weight	0.2kg (0.4lbs)
Operating Temperature Range	-10°C to 50°C (-14°F to 122°F)
Relative Humidity	95%
Accessories	4 battery fuses, 5A

Ordering Information

Product Name	BAU48/4
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